



SI8455BA-A-IS1R Information

Part Number SI8455BA-A-IS1R

Manufacturer Silicon Labs Category

Isolators

Digital Isolators

Description

DGTL ISO 1KV 5CH GEN PURP 16SOIC

Package

16-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



Request a Quote

Certified Quality

For Reference Only

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









SI8455BA-A-IS1R Specifications

Manufacturer Part Number Manufacturer Silicon Labs Silicon Labs Silicon Labs Isolators Digital Isolators Package 16-SOIC (0.154", 3.90mm Width) Series Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) Pise / Fall Time (Typ) Sideloss Silicon Labs Liouts Silicon Labs Silicon Labs Liouts Silicon Labs Silicon Labs Silicon Labs Silicon Labs Silicon Labs Silicon Labs Silicon		
Category Isolators Digital Isolators Package 16-SOIC (0.154", 3.90mm Width) Series Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels Inputs - Side 1/Side 2 Channel Type Unidirectional Voltage - Isolation Common Mode Transient Immunity (Min) Data Rate Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) I6-SOIC (0.154", 3.90mm Width) Capacitive Coupling Capacitive Coupling Unidirectional Volumber 15/0 1000Vrms 1000Vrms 25kV/µs (Typ) Data Rate Propagation Delay tpLH / tpHL (Max) P.5ns, 9.5ns	Manufacturer Part Number	SI8455BA-A-IS1R
Digital Isolators Package 16-SOIC (0.154", 3.90mm Width) Series - Technology Capacitive Coupling Type General Purpose Isolated Power No Number of Channels 5 Inputs - Side 1/Side 2 5/0 Channel Type Unidirectional Voltage - Isolation 1000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns	Manufacturer	Silicon Labs
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Type General Purpose Isolated Power No Number of Channels 5 Inputs - Side 1/Side 2 5/0 Channel Type Unidirectional Voltage - Isolation 1000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns	Series	-
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Number of Channels5Inputs - Side 1/Side 25/0Channel TypeUnidirectionalVoltage - Isolation1000VrmsCommon Mode Transient Immunity (Min)25kV/μs (Typ)Data Rate150MbpsPropagation Delay tpLH / tpHL (Max)9.5ns, 9.5nsPulse Width Distortion (Max)2.5ns	Туре	General Purpose
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Voltage - Isolation 1000Vrms Common Mode Transient Immunity (Min) 25kV/µs (Typ) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns	Inputs - Side 1/Side 2	5/0
Common Mode Transient Immunity (Min) Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) 25kV/µs (Typ) 150Mbps 9.5ns, 9.5ns 2.5ns	Channel Type	Unidirectional
Data Rate 150Mbps Propagation Delay tpLH / tpHL (Max) 9.5ns, 9.5ns Pulse Width Distortion (Max) 2.5ns	Voltage - Isolation	1000Vrms
Propagation Delay tpLH / tpHL (Max) Pulse Width Distortion (Max) 9.5ns, 9.5ns 2.5ns	Common Mode Transient Immunity (Min)	$25kV/\mu s$ (Typ)
Pulse Width Distortion (Max) 2.5ns	Data Rate	150Mbps
	Propagation Delay tpLH / tpHL (Max)	9.5ns, 9.5ns
Rise / Fall Time (Tyn)	Pulse Width Distortion (Max)	2.5ns
Nise / 1 an Time (1 yp)	Rise / Fall Time (Typ)	3.8ns, 2.8ns
Voltage - Supply $2.7 \text{ V} \sim 5.5 \text{ V}$	Voltage - Supply	2.7 V ~ 5.5 V
Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$	Operating Temperature	-40°C ~ 125°C
Package / Case 16-SOIC (0.154", 3.90mm Width)	Package / Case	16-SOIC (0.154", 3.90mm Width)
Supplier Device Package 16-SOIC	Supplier Device Package	16-SOIC
Report errors		Report errors?

SI8455BA-A-IS1R Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

SI8455BA-A-IS1R Payment Methods





















SI8455BA-A-IS1R Shipping Methods













If you have any question about SI8455BA-A-IS1R, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com